

FIG. 1

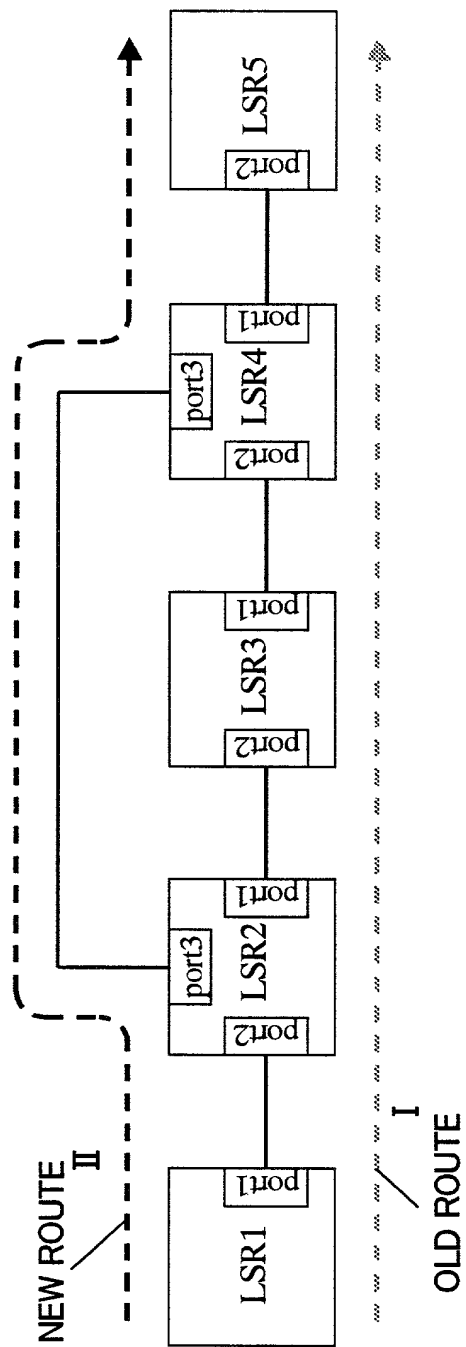


FIG. 2A

LSR1 MANAGEMENT
TABLE

INPUT INFORMATION	LSPID	OUTPUT PORT	OUTPUT LABEL
INFORMATION OF LSR1 TO LSR5	1	1	L21
:	:	:	:
:	:	:	:

FIG. 2B

LSR2 MANAGEMENT
TABLE

INPUT PORT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
1	L21	O	1	L31
:	:	:	:	:
:	:	:	:	:

FIG. 2C

LSR3 MANAGEMENT
TABLE

INPUT PORT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2	L31	O	1	L41
:	:	:	:	:
:	:	:	:	:

LSR4 MANAGEMENT
TABLE

INPUT PORT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2	L41	O	1	L51
:	:	:	:	:
:	:	:	:	:

LSR5 MANAGEMENT
TABLE

INPUT PORT LABEL	RESERVE	LSPID	NOTE
2	L51	O	1
:	:	:	TO UPPER LAYER AFTER DELETING LABEL
:	:	:	:

FIG. 2D

FIG. 2E

FIG. 3A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	LSPID	OUTPUT PORT	OUTPUT LABEL
INFORMATION OF LSR1 TO LSR5	1	1	L21
	1	1	-
:	:	:	:
:	:	:	:

FIG. 3B

LSR2 MANAGEMENT TABLE

INPUT PORT	INPUT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2	L21	O	1	1	L31
2	L22	O	1	3	-
:	:	:	:	:	:
:	:	:	:	:	:

FIG. 3C

LSR3 MANAGEMENT TABLE

INPUT PORT	INPUT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2	L31	O	1	1	L41
:	:	:	:	:	:
:	:	:	:	:	:

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LSR4 MANAGEMENT TABLE

INPUT PORT	INPUT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2	L41	O	1	1	L51
3	L42	O	1	1	-
:	:	:	:	:	:
:	:	:	:	:	:

LSR5 MANAGEMENT TABLE

INPUT PORT	INPUT LABEL	RESERVE	LSPID	NOTE
2	L51	O	1	TO UPPER LAYER AFTER DELETING LABEL
2	L52	O	1	TO UPPER LAYER AFTER DELETING LABEL
:	:	:	:	:
:	:	:	:	:

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FIG. 3D

FIG. 3E

FIG. 4A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	LSPID	OUTPUT PORT	OUTPUT LABEL
	1	1	L21
INFORMATION OF LSR1 TO LSR5	1	1	L22
⋮	⋮	⋮	⋮

FIG. 4B

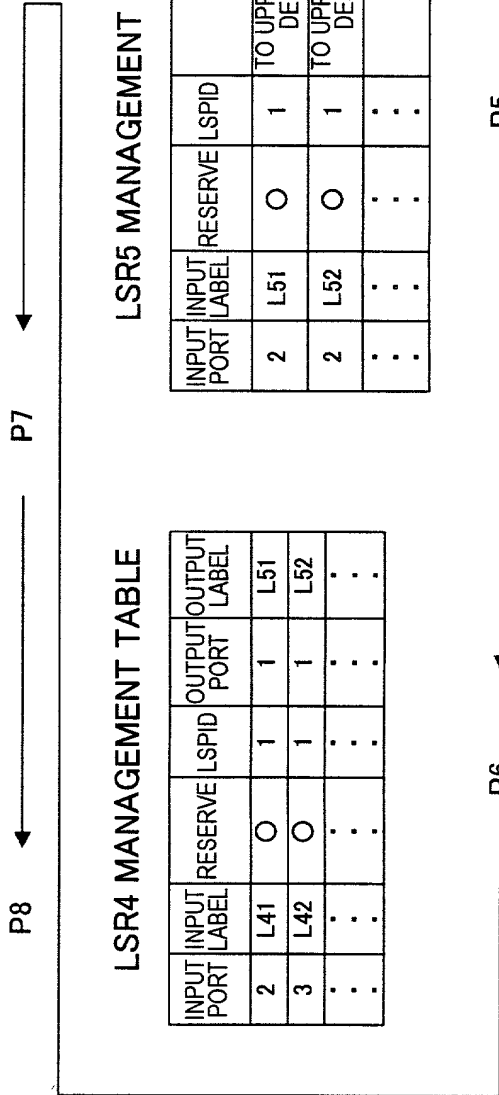
LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2	L21	O	1	L31
2	L22	O	1	L42
⋮	⋮	⋮	⋮	⋮

FIG. 4C

LSR3 MANAGEMENT TABLE

INPUT PORT	INPUT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2	L31	O	1	1	L41
⋮	⋮	⋮	⋮	⋮	⋮



LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2	L41	O	1	L51
3	L42	O	1	L52
⋮	⋮	⋮	⋮	⋮

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	NOTE
2	L51	O	1 TO UPPER LAYER AFTER DELETING LABEL
2	L52	O	1 TO UPPER LAYER AFTER DELETING LABEL
⋮	⋮	⋮	⋮

FIG. 4D

FIG. 4E

FIG. 5A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	LSPID	OUTPUT PORT	OUTPUT LABEL
	-	-	-
INFORMATION OF LSR1 TO LSR5	1	1	L22
:	:	:	:
:	:	:	:

FIG. 5B

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2 L21	x	-	-	-
2 L22	O	1	3	L42
:	:	:	:	:
:	:	:	:	:

FIG. 5C

LSR3 MANAGEMENT TABLE

INPUT PORT	INPUT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2	L31	x	-	-	-
:	:	:	:	:	:
:	:	:	:	:	:

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LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2 L41	x	-	-	-
3 L42	O	1	1	L52
:	:	:	:	:
:	:	:	:	:

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	NOTE
2 L51	x	-	-
2 L52	O	1	TO UPPER LAYER AFTER DELETING LABEL
:	:	:	:
:	:	:	:

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FIG. 5D

FIG. 5E

FIG. 6A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	LSPID	OUTPUT PORT	OUTPUT LABEL
INFORMATION OF LSR1 TO LSR5	1	1	L21
	1	1	-
:	:	:	:
:	:	:	:

FIG. 6B

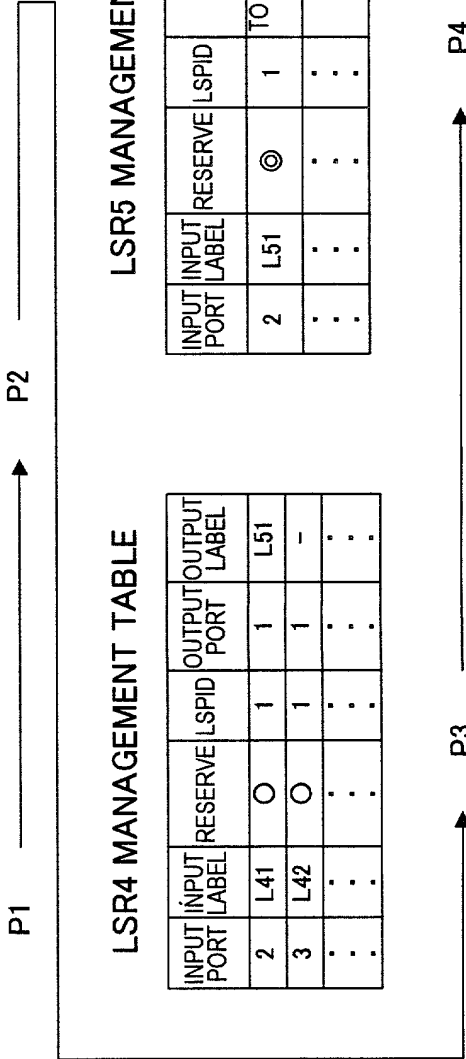
LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2	L21	⊙	1	L31
:	:	:	3	-
:	:	:	:	:
:	:	:	:	:

FIG. 6C

LSR3 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2	L31	○	1	L41
:	:	:	:	:
:	:	:	:	:



LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2	L41	○	1	L51
3	L42	○	1	-
:	:	:	:	:
:	:	:	:	:

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	NOTE
2	L51	⊙	1
:	:	:	TO UPPER LAYER AFTER DELETING LABEL
:	:	:	:

FIG. 6D

FIG. 6E

FIG. 7A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	LSPID	OUTPUT PORT	OUTPUT LABEL
	1	1	L21
INFORMATION OF LSR1 TO LSR5	1	1	L21
⋮	⋮	⋮	⋮

FIG. 7B

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2 L21	⊙	1	1	L31
⋮	⋮	⋮	3	L42
⋮	⋮	⋮	⋮	⋮

FIG. 7C

LSR3 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2 L31	○	1	1	L41
⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮



LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	OUTPUT PORT	OUTPUT LABEL
2 L41	○	1	1	L51
3 L42	○	1	1	L51
⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	LSPID	NOTE
2 L51	⊙	1	TO UPPER LAYER AFTER DELETING LABEL
⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮

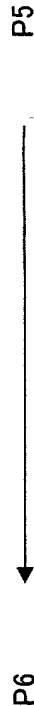


FIG. 7D

FIG. 7E

FIG. 9

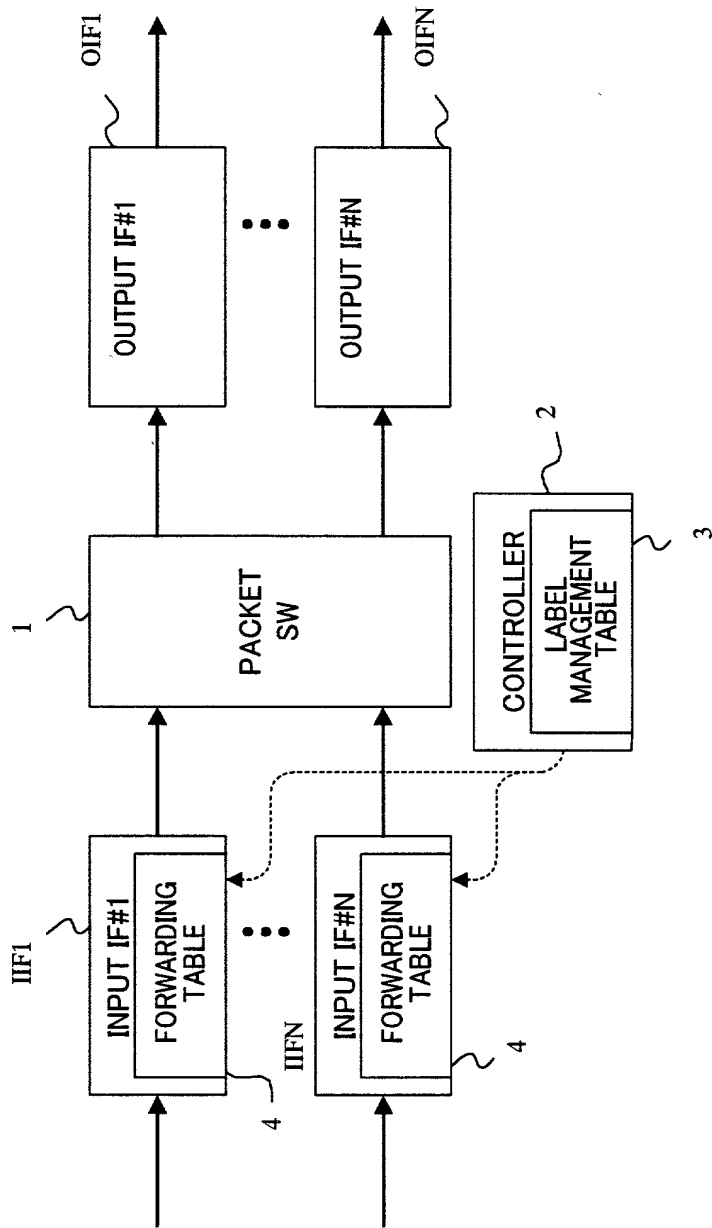


FIG. 10A

INPUT PORT LABEL	INPUT LABEL	RESERVE	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
#1	5	O	2	#2	4
#1	7	x	-	-	-
#2	7	⊙	1	#1	5
#2	7	⊙	1	#3	4

FIG. 10B

INPUT LABEL	RESERVE	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
5	O	2	#2	4
4	x	-	-	-
7	⊙	1	#1	5
7	⊙	1	#3	4

FIG. 11A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
INFORMATION OF LSR1 TO LSR5	1	1	L21
.	.	.	.
.	.	.	.

FIG. 11B

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L21	O	1	L31
.
.

FIG. 11C

LSR3 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L31	O	1	L41
.
.

FIG. 11D

LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L41	O	1	L51
.
.

FIG. 11E

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	IDENTIFIER	NOTE
2	L51	O	TO UPPER LAYER AFTER DELETING LABEL
.	.	.	.
.	.	.	.

FIG. 12A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
INFORMATION OF LSR1 TO LSR5	1	1	L21
	1	1	-
	:	:	:
	:	:	:

FIG. 12B

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L21	O	1	L31
:	:	:	3	-
:	:	:	:	:
:	:	:	:	:

FIG. 12C

LSR3 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L31	O	1	L41
:	:	:	:	:
:	:	:	:	:

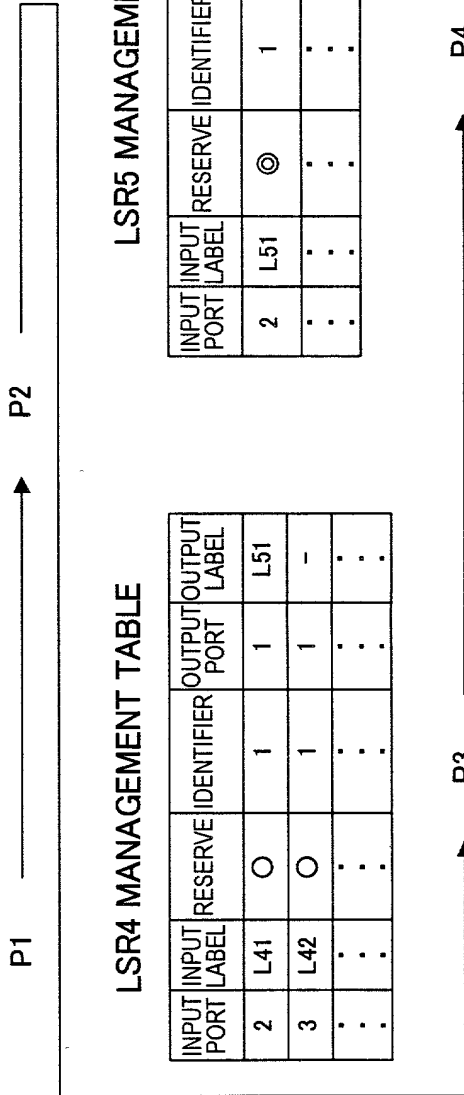


FIG. 12D

FIG. 12E

FIG. 13A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
	1	1	L21
INFORMATION OF LSR1 TO LSR5	1	1	L21
.	.	.	.
.	.	.	.

FIG. 13B

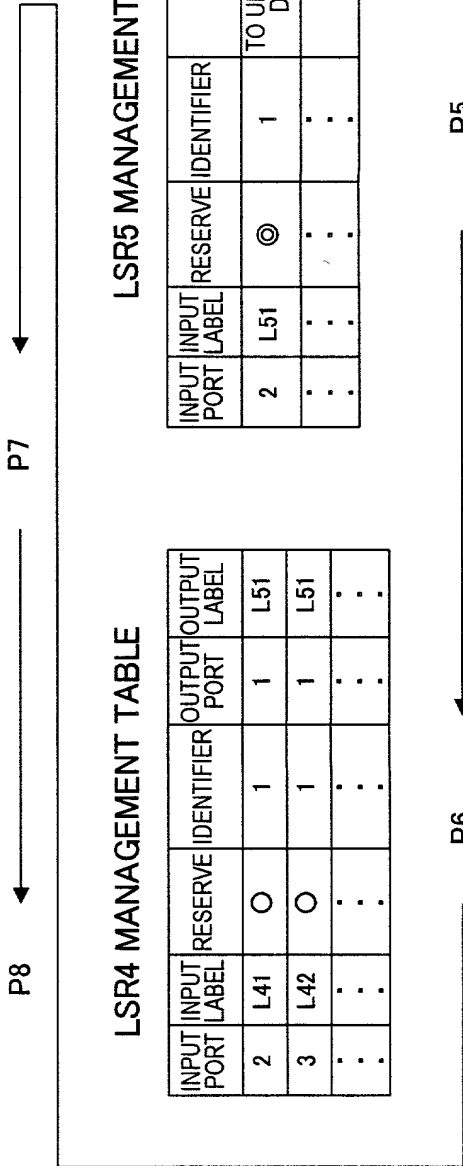
LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	IDENTIFIER	OUTPUT PORT LABEL
2 L21	⊙	1	1 L31
.	.	.	3 L42
.	.	.	.
.	.	.	.

FIG. 13C

LSR3 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	IDENTIFIER	OUTPUT PORT LABEL
2 L31	○	1	1 L41
.	.	.	.
.	.	.	.
.	.	.	.



LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	IDENTIFIER	OUTPUT PORT LABEL
2 L41	○	1	1 L51
3 L42	○	1	1 L51
.	.	.	.
.	.	.	.
.	.	.	.

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	IDENTIFIER	NOTE
2 L51	⊙	1	TO UPPER LAYER AFTER DELETING LABEL
.	.	.	.
.	.	.	.
.	.	.	.

FIG. 13D

FIG. 13E

FIG. 14A

LSR1 MANAGEMENT TABLE		
INPUT INFORMATION	IDENTIFIER	OUTPUT PORT LABEL
	-	-
INFORMATION OF LSR1 TO LSR5	1	1 L21
⋮	⋮	⋮
⋮	⋮	⋮

FIG. 14B

LSR2 MANAGEMENT TABLE			
INPUT PORT LABEL	RESERVE	IDENTIFIER	OUTPUT PORT LABEL
2 L21	O	1	3 L42
⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮

FIG. 14C

LSR3 MANAGEMENT TABLE				
INPUT PORT LABEL	RESERVE	IDENTIFIER	OUTPUT PORT LABEL	OUTPUT PORT LABEL
2 L31	x	-	-	-
⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮

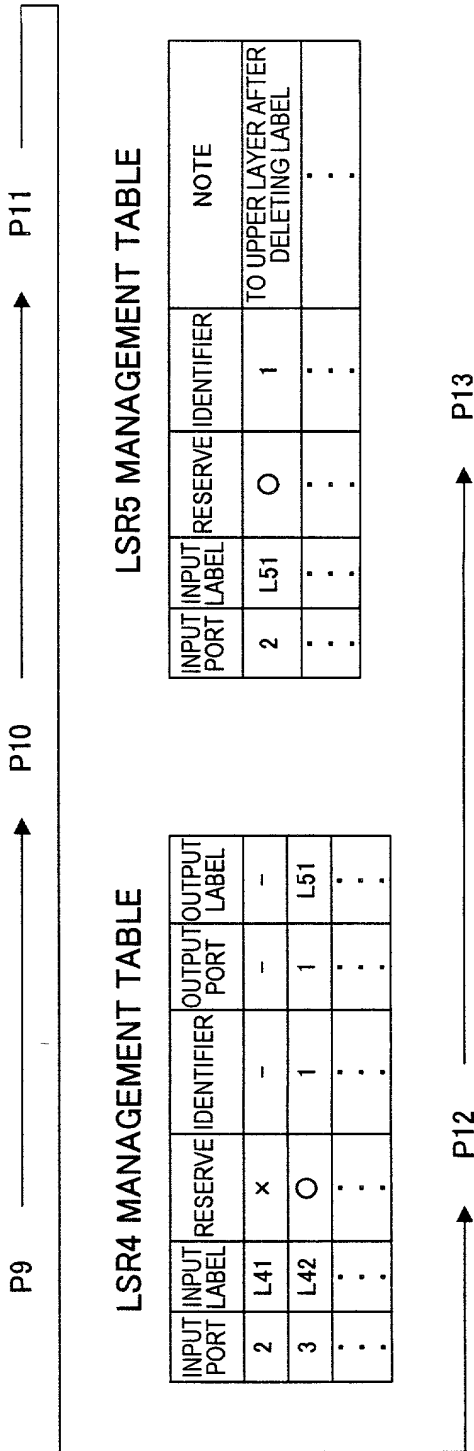


FIG. 14D

FIG. 14E

FIG. 15A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
INFORMATION OF LSR1 TO LSR5	1	1	L21
⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮

FIG. 15B

LSR2 MANAGEMENT TABLE

INPUT PORT	INPUT LABEL	RESERVE	RELEASE PRIORITY	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L21	○	低	1	1	L31
⋮	⋮	⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 15C

LSR3 MANAGEMENT TABLE

INPUT PORT	INPUT LABEL	RESERVE	RELEASE PRIORITY	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L31	○	低	1	1	L41
⋮	⋮	⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 15D

LSR4 MANAGEMENT TABLE

INPUT PORT	INPUT LABEL	RESERVE	RELEASE PRIORITY	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L41	○	低	1	1	L51
⋮	⋮	⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 15E

LSR5 MANAGEMENT TABLE

INPUT PORT	INPUT LABEL	RESERVE	RELEASE PRIORITY	IDENTIFIER	NOTE
2	L51	○	低	1	TO UPPER LAYER AFTER DELETING LABEL
⋮	⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮	⋮

FIG. 16A

FIG. 16B

FIG. 16C

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	IDENTIFIER	OUTPUT PORT LABEL
INFORMATION OF LSR1 TO LSR5	1	L21
	1	1
	:	:
	:	:

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEASE PRIORITY	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L21	LOW	1	1	L31
	:	:	:	3	-
	:	:	:	:	:
	:	:	:	:	:

LSR3 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEASE PRIORITY	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L31	LOW	1	1	L41
	:	:	:	:	:
	:	:	:	:	:

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LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEASE PRIORITY	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L41	LOW	1	1	L51
3	L42	-	1	1	-
	:	:	:	:	:
	:	:	:	:	:

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEASE PRIORITY	IDENTIFIER	NOTE
2	L51	LOW	1	TO UPPER LAYER AFTER DELETING LABEL
	:	:	:	:
	:	:	:	:

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FIG. 16D

FIG. 16E

FIG. 17A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
	1	1	L21
INFORMATION OF LSR1 TO LSR5	1	1	L21
.	.	.	.
.	.	.	.

FIG. 17B

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEASE PRIORITY	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L21	HIGH	1	1	L31
.	.	LOW	.	1	L42
.
.

FIG. 17C

LSR3 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEASE PRIORITY	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L31	LOW	1	1	L41
.
.

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LSR4 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEASE PRIORITY	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L41	HIGH	1	1	L51
3	L42	LOW	1	1	L51
.
.

LSR5 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	IDENTIFIER	RELEASE PRIORITY	NOTE
2	L51	1	HIGH	TO UPPER LAYER AFTER DELETING LABEL
.	.	.	LOW	
.
.

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FIG. 17D

FIG. 17E

FIG. 18A

LSR1 MANAGEMENT TABLE

INPUT INFORMATION	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
	-	-	-
INFORMATION OF LSR1 TO LSR5	1	1	L21
:	:	:	:
:	:	:	:

FIG. 18B

LSR2 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEASE PRIORITY	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L21	O	LOW	1	3
:	:	:	:	:	:
:	:	:	:	:	:
:	:	:	:	:	:

FIG. 18C

LSR3 MANAGEMENT TABLE

INPUT PORT LABEL	RESERVE	RELEASE PRIORITY	IDENTIFIER	OUTPUT PORT	OUTPUT LABEL
2	L31	x	-	-	-
:	:	:	:	:	:
:	:	:	:	:	:
:	:	:	:	:	:

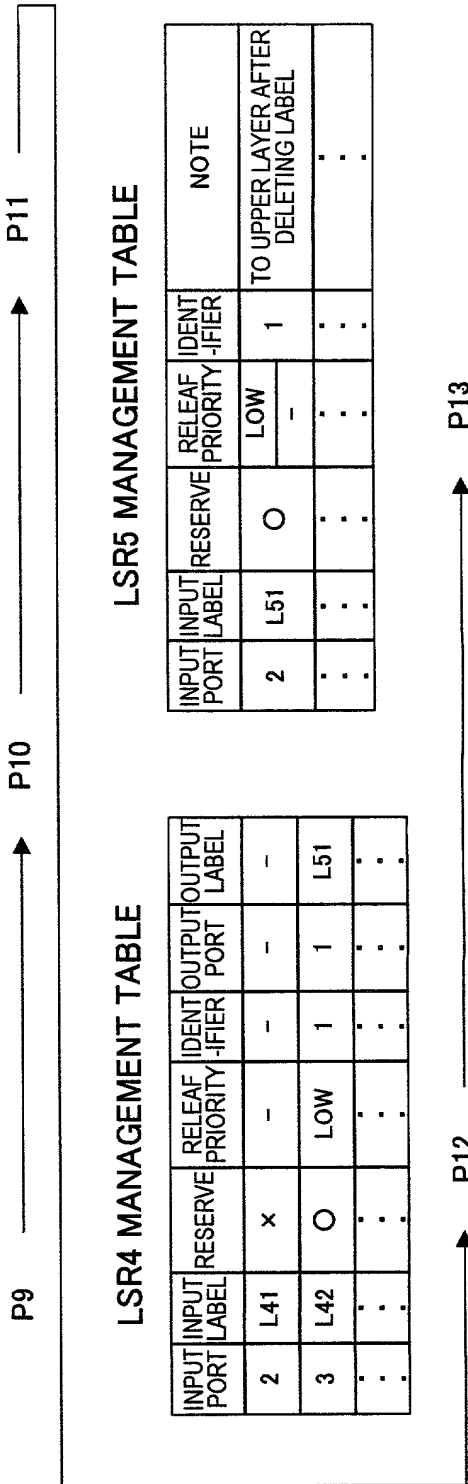


FIG. 18D

FIG. 18E

FIG. 19

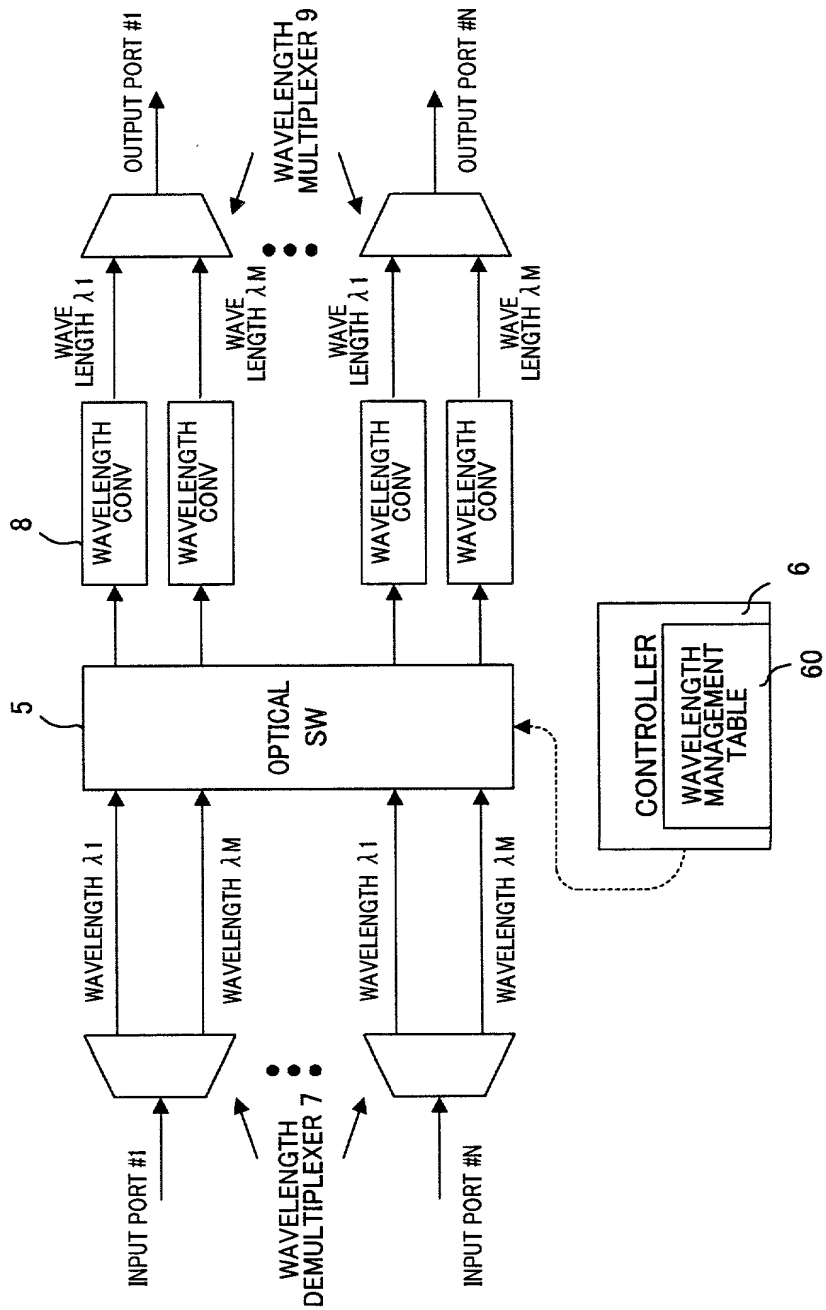


FIG. 20

INPUT PORT	INPUT WAVE LENGTH	RESERVE	IDENTI -FIER	OUTPUT PORT	OUTPUT WAVE LENGTH
#1	$\lambda 5$	O	2	#2	$\lambda 4$
#1	$\lambda 7$	x	-	-	-
#2	$\lambda 7$	⊙	1	#1	$\lambda 5$
#2	$\lambda 7$	⊙	1	#3	$\lambda 4$

FIG. 21

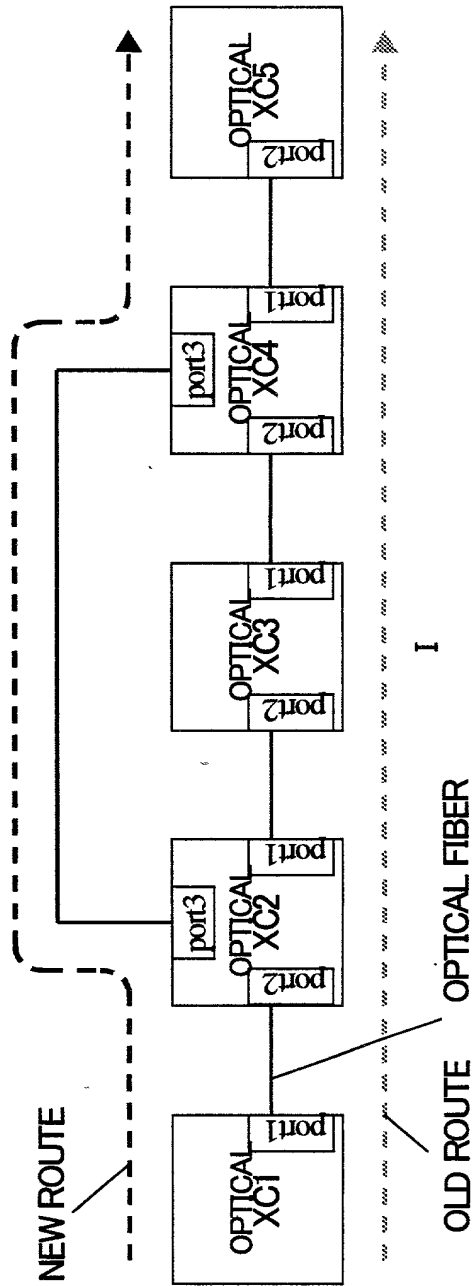


FIG. 22A

OPTICAL XC1 MANAGEMENT TABLE

INPUT INFORMATION	IDENTIFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
INFORMATION OF OPTICAL XC1 TO OPTICAL XC5	1	1	$\lambda 21$
•	•	•	•
•	•	•	•

FIG. 22B

OPTICAL XC2 MANAGEMENT TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	IDENTIFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	$\lambda 21$	O	1	1	$\lambda 31$
•	•	•	•	•	•
•	•	•	•	•	•

FIG. 22C

OPTICAL XC3 MANAGEMENT TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	IDENTIFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	$\lambda 31$	O	1	1	$\lambda 41$
•	•	•	•	•	•
•	•	•	•	•	•

FIG. 22D

OPTICAL XC4 MANAGEMENT TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	IDENTIFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	$\lambda 41$	O	1	1	$\lambda 51$
•	•	•	•	•	•
•	•	•	•	•	•

FIG. 22E

OPTICALXC5 MANAGEMENT TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	IDENTIFIER	NOTE
2	$\lambda 51$	O	1	TO UPPER LAYER
•	•	•	•	•
•	•	•	•	•

FIG. 23A

OPTICAL XC1 MANAGEMENT TABLE			
INPUT INFORMATION	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
INFORMATION OF OPTICAL XC1 TO OPTICAL XC5	1	1	$\lambda 21$
	1	1	-
:	:	:	:
:	:	:	:

FIG. 23B

OPTICAL XC2 MANAGEMENT TABLE			
INPUT PORT	RESERVE	IDENT -IFIER	OUTPUT WAVE LENGTH
2	$\lambda 21$	1	$\lambda 31$
:	:	:	-
:	:	:	:

FIG. 23C

OPTICAL XC3 MANAGEMENT TABLE			
INPUT PORT	RESERVE	IDENT -IFIER	OUTPUT WAVE LENGTH
2	$\lambda 31$	1	$\lambda 41$
:	:	:	:
:	:	:	:

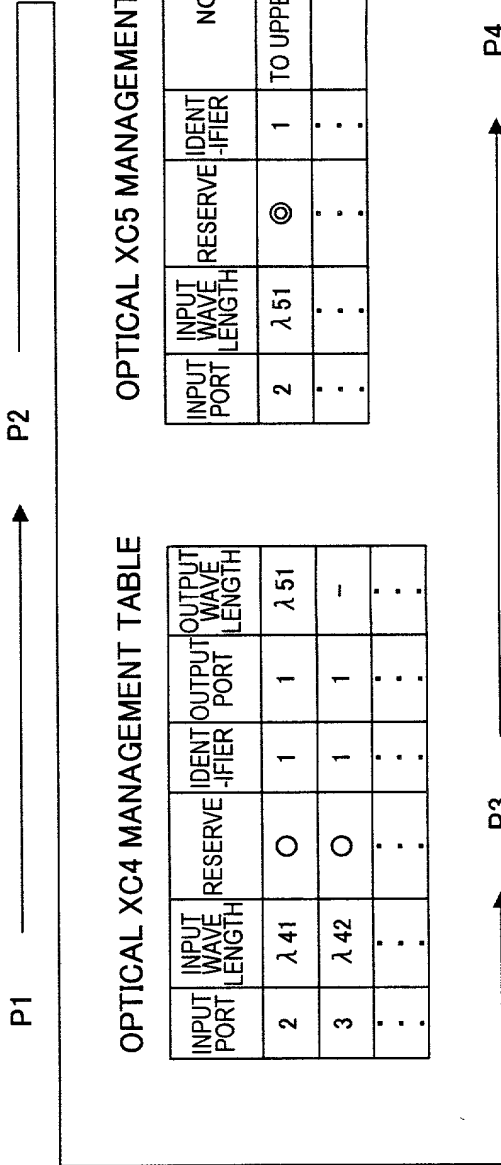


FIG. 23D

OPTICAL XC4 MANAGEMENT TABLE

INPUT PORT	RESERVE	IDENT -IFIER	OUTPUT WAVE LENGTH
2	$\lambda 41$	1	$\lambda 51$
3	$\lambda 42$	1	-
:	:	:	:
:	:	:	:

OPTICAL XC5 MANAGEMENT TABLE

INPUT PORT	RESERVE	IDENT -IFIER	NOTE
2	$\lambda 51$	1	TO UPPER LAYER
:	:	:	:
:	:	:	:

FIG. 23E

FIG. 24A

OPTICAL XC1 MANAGEMENT
TABLE

INPUT INFORMATION	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
	1	1	λ 21
INFORMATION OF OPTICAL XC1 TO OPTICAL XC5	1	1	λ 21
·	·	·	·
·	·	·	·

FIG. 24B

OPTICAL XC2 MANAGEMENT
TABLE

INPUT PORT LENGTH	RESERVE	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	λ 21	1	1	λ 31
·	·	·	·	λ 42
·	·	·	·	·

FIG. 24C

OPTICAL XC3 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	λ 31	○	1	1	λ 41
·	·	·	·	·	·
·	·	·	·	·	·

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←

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←

OPTICAL XC4 MANAGEMENT
TABLE

INPUT PORT LENGTH	RESERVE	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	λ 41	○	1	λ 51
3	λ 42	○	1	λ 51
·	·	·	·	·
·	·	·	·	·

OPTICAL XC5 MANAGEMENT
TABLE

INPUT PORT LENGTH	RESERVE	IDENT -IFIER	NOTE
2	λ 51	◎	TO UPPER LAYER
·	·	·	·
·	·	·	·

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←

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←

FIG. 24D

FIG. 24E

FIG. 25A

OPTICAL XC1 MANAGEMENT
TABLE

INPUT INFORMATION	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
	-	-	-
INFORMATION OF OPTICAL XC1 TO OPTICAL XC5	1	1	$\lambda 21$
⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮

FIG. 25B

OPTICAL XC2 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	$\lambda 21$	O	1	3	$\lambda 42$
⋮	⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮	⋮

FIG. 25C

OPTICAL XC3 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	$\lambda 31$	x	-	-	-
⋮	⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮	⋮

P9

P10

P11

OPTICAL XC4 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	$\lambda 41$	x	-	-	-
3	$\lambda 42$	O	1	1	$\lambda 51$
⋮	⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮	⋮

P12

P13

OPTICAL XC5 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	IDENT -IFIER	NOTE
2	$\lambda 51$	O	1	TO UPPER LAYER
⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮

FIG. 25D

FIG. 25E

FIG. 26A

OPTICAL XC1 MANAGEMENT
TABLE

INPUT INFORMATION	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
INFORMATION OF OPTICAL XC1 TO OPTICAL XC5	1	1	$\lambda 21$
.	.	.	.
.	.	.	.

FIG. 26B

OPTICAL XC2 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	RELEASE PRIORITY	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	$\lambda 21$	O	LOW	1	1	$\lambda 31$
.
.

FIG. 26C

OPTICAL XC3 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	RELEASE PRIORITY	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	$\lambda 31$	O	LOW	1	1	$\lambda 41$
.
.

FIG. 26D

OPTICAL XC4 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	RELEASE PRIORITY	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	$\lambda 41$	O	LOW	1	1	$\lambda 51$
.
.

FIG. 26E

OPTICAL XC5 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	RELEASE PRIORITY	IDENT -IFIER	NOTE
2	$\lambda 51$	O	LOW	1	TO UPPER LAYER
.
.

FIG. 27A

OPTICAL XC1 MANAGEMENT
TABLE

INPUT INFORMATION	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
INFORMATION OF OPTICAL XC1 TO OPTICAL XC5	1	1	λ 21
	1	1	-
.	.	.	.
.	.	.	.

FIG. 27B

OPTICAL XC2 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	RELEASE PRIORITY	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	λ 21	⊙	LOW	1	1	λ 31
.	.	.	-	.	1	-
.
.

FIG. 27C

OPTICAL XC3 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	RELEASE PRIORITY	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	λ 31	○	LOW	1	1	λ 41
.
.

P1 → P2 →

OPTICAL XC4 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	RELEASE PRIORITY	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	λ 41	○	LOW	1	1	λ 51
3	λ 42	○	-	1	1	-
.
.

OPTICAL XC5 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	RELEASE PRIORITY	IDENT -IFIER	NOTE
2	λ 51	⊙	LOW	1	TO UPPER LAYER
.
.

P3 → P4 →

FIG. 27D

FIG. 27E

FIG. 28A

OPTICAL XC1 MANAGEMENT
TABLE

INPUT INFORMATION	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
	1	1	λ 21
INFORMATION OF OPTICAL XC1 TO OPTICAL XC5	1	1	λ 21
.	.	.	.
.	.	.	.

FIG. 28B

OPTICAL XC2 MANAGEMENT
TABLE

INPUT PORT LENGTH	RESERVE	RELEASE PRIORITY	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	λ 21	HIGH	1	1	λ 31
.	.	LOW	.	1	λ 42
.
.

FIG. 28C

OPTICAL XC3 MANAGEMENT
TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	RELEASE PRIORITY	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	λ 31	O	LOW	1	1	λ 41
.
.

P8 ← P7

OPTICAL XC4 MANAGEMENT
TABLE

INPUT PORT LENGTH	RESERVE	RELEASE PRIORITY	IDENT -IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	λ 41	O	HIGH	1	λ 51
3	λ 42	O	LOW	1	λ 51
.
.

OPTICAL XC5 MANAGEMENT
TABLE

INPUT PORT	RESERVE	IDENT -IFIER	RELEASE PRIORITY	NOTE
2	⊙	1	HIGH	TO UPPER LAYER
.	.	.	LOW	.
.

P5

P6

FIG. 28D

FIG. 28E

FIG. 29A

OPTICAL XC1 MANAGEMENT TABLE			
INPUT INFORMATION	IDENT-IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
	-	-	-
INFORMATION OF OPTICAL XC1 TO OPTICAL XC5	1	1	$\lambda 21$
⋮	⋮	⋮	⋮

FIG. 29B

OPTICAL XC2 MANAGEMENT TABLE				
INPUT PORT	INPUT WAVE LENGTH	RESERVE	RELEASE PRIORITY	IDENT-IFIER
2	$\lambda 21$	O	LOW	1
⋮	⋮	⋮	⋮	⋮

OPTICAL XC3 MANAGEMENT TABLE

INPUT PORT	INPUT WAVE LENGTH	RESERVE	RELEASE PRIORITY	IDENT-IFIER	OUTPUT PORT	OUTPUT WAVE LENGTH
2	$\lambda 31$	x	-	-	-	-
⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG. 29C

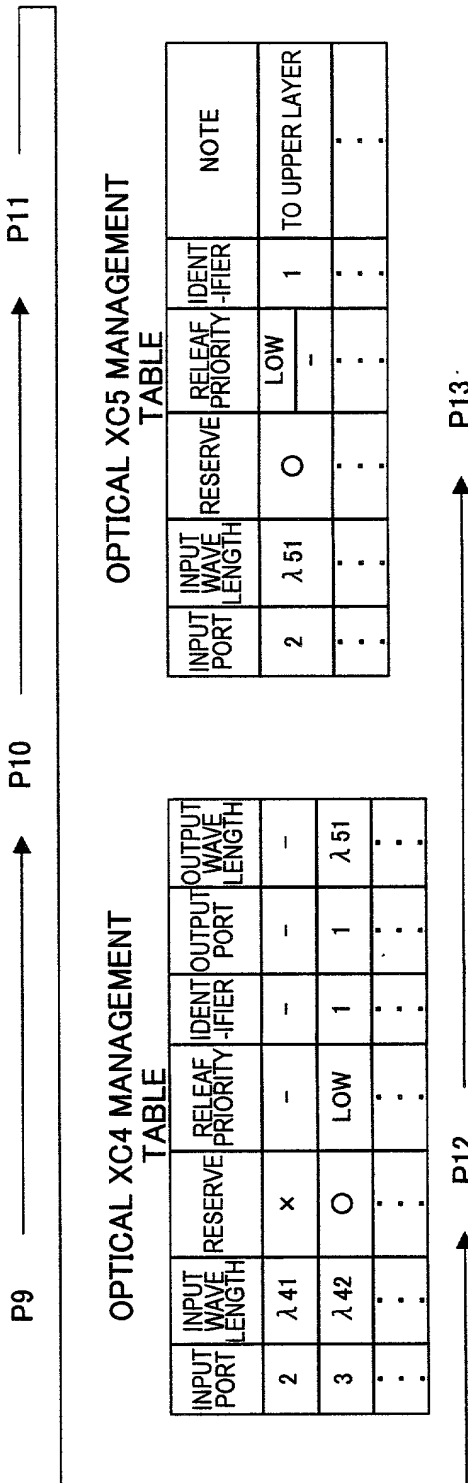


FIG. 29D

FIG. 29E